

Abstract of Disclosure

Upon receiving a check request 300 from a management system 250, a controller 230

sends a switching request 310 to an optical switch driver 165. The optical switch

- 5 driver 165 sends a drive signal 320, and an optical switch 160 switches from a first transmission line 120 to a second transmission line 130. A receive signal performance monitor 190 sends a sensing result 330 for the second transmission line 130 to the controller 230. The controller 230 sends a switch-back request 340, and the optical switch 160 switches from the second transmission line 130 to the first transmission line
- 10 120. Based on information from the receive signal performance monitor 190, a first transmission line optical sensor 210, and a second transmission line optical sensor 220, the controller 230 performs a sensing result save 360 in a memory 240. A management system 250 saves a results report 400 from the controller 230 in a memory device.

PRINTED IN U.S.A. 03/20/2018